MITSUBISHI ELECTRIC

HVAC Advanced Products Division

Mr.SLIM®

Split-ductless A/C and Heat Pumps

SUBMITTAL DATA: PKA-A36KA4 & PUY-A36NHA4 . . . . . 36,000 BTU/H WALL-MOUNTED AIR-CONDITIONING SYSTEM

Job Name: Location: Date:

Purchaser: Engineer:

Submitted to: For ☐ Reference ☐ Approval ☐ Construction

Unit Designation: Schedule No.:

GENERAL FEATURES

- Wall-mounted indoor unit for residential and commercial applications
- Setback down to 50°F when used with MRCH1 Central Controller
- Shiny-white–exterior plastic; compact design
- Quiet operation—both indoor and outdoor units
- Self-check function—integrated diagnostics
- Limited warranty: five years on parts and defects and seven years on compressors

OPTIONAL ACCESSORIES

Indoor Unit

- ◘ Mini Condensate Pump (SI1730-230, 230V)
- ◘ L-Connector Pipe (PAC-SC84PI; for left side unit piping installation)

Outdoor Unit

- ◘ Drain Pan (PAC-SG63DP)
- ◘ Drain Socket (PAC-SG61DS)
- ◘ Three-pole Disconnect Switch (TAZ-MS303)
- ◘ Wind Baffle (WB-PA2)
- ◘ Air Outlet Guide (PAC-SG59SG)
- ◘ Mounting Base (DSD-400N)
- ◘ Mounting Pad (ULTRILITE2)
- ◘ Wall-mounting Brackets (CWMB1)

Controller Options

- ◘ Wireless Remote Controller Kit (MHK1) with Wall-mounted Central Controller (MRCH1), Wireless Receiver (MIFH1), and cable*
- ◘ Wall-mounted Central Controller (MRCH1)*
- ◘ Wireless Receiver (MIFH1)*
- ◘ Portable Central Controller (MCCH1; for use with Wireless Remote Controller Kit MHK1)*
- ◘ Outdoor Air Sensor (MOS1; for use with Central Controller (MRCH1), Wireless Remote Controller Kit (MHK1) and Portable Central Controller (MCCH1)*

*See Submittal for information on each option.

- ◘ Wall-mounted Wired Remote Controller (PAR-21MAA)
- ◘ M-NET Adapter (PAC-SF81MA)
- ◘ CN51 Connector for Multiple Remote Controller Adapters/Duct Fan Controller (PAC-725AD)
- ◘ CN32 Connector for Remote On/Off (PAC-715AD)
- ◘ Remote Temperature Sensor (PAC-SE41TS)
- ◘ Remote Operation Adapter - Display and On/Off (PAC-SF40RM)
- ◘ Handheld Wireless Remote Controller (PAR-SL97A)
- ◘ Lockdown Bracket for Handheld Controller (RCMKP1CB)
- ◘ Control/Service Tool (PAC-SK52ST)

Cooling*

Rated Capacity . . . . . 34,200 Btu/h
Minimum Capacity . . . . . 12,000 Btu/h
SEER . . . . . 14.0 Btu/h/W
EER . . . . . 6.8 Btu/h/W
Total Input . . . . . 5,030 W

* Rating Conditions (Cooling) - Indoor: 80°F (27°C) DB / 67°F (19°C) WB. Outdoor: 95°F (35°C) DB / 75°F (24°C) WB.

Electrical Requirements

Power Supply . . . . . 208 / 230V, 1-Phase, 60 Hz
Recommended Fuse/Breaker Size . . . . . 30 A

Voltage

Indoor - Outdoor S1-S2 . . . . . AC 208 / 230V
Indoor - Outdoor S2-S3 . . . . . DC 24V

OPERATING CONDITIONS

		Indoor Intake Air Temp.	Outdoor Intake Air Temp.
Cooling	Maximum	95°F (35°C) DB, 71°F (22°C) WB	115°F (46°C) DB
	Minimum	67°F (19°C) DB, 57°F (14°C) WB	0°F** (-18°C) DB

** With optional wind baffle accessory installed. If not installed, the minimum temperature will be 23°F (-5°C) DB.

Indoor Unit: PKA-A36KA4

Outdoor Unit: PUY-A36NHA4

Indoor Unit

MCA . . . . . 1 A
Fan Motor . . . . . 0.57 F.L.A.
Fan Motor Output . . . . . 56 W
Airflow (Lo - Mid - Hi) . . . . . 705 - 810 - 920 Dry CFM
635 - 730 - 830 Wet CFM
Air Filter . . . . . Polypropylene Honeycomb
Sound Pressure Level (Lo - Mid - Hi) . . . . . 43 - 46 - 49 dB(A)
SHF 0.70
Moisture Removal . . . . . 9.2 pt./h

DIMENSIONS	UNIT INCHES / MM
W	46-1/16 / 1,170
D	11-5/8 / 295
H	14-3/8 / 365

Weight . . . . . 46 lbs. / 21 kg
External Finish . . . . . Munsell No. 1.0Y 9.2 / 0.2
Field Drainpipe Size O.D. . . . . 5/8" / 16 mm

Outdoor Unit

Compressor . . . . . DC Inverter-driven Twin Rotary
MCA . . . . . 25 A
MOCP . . . . . 40 A
Fan Motor . . . . . 0.75 F.L.A.
Sound Pressure Level
Cooling . . . . . 48 dB(A)

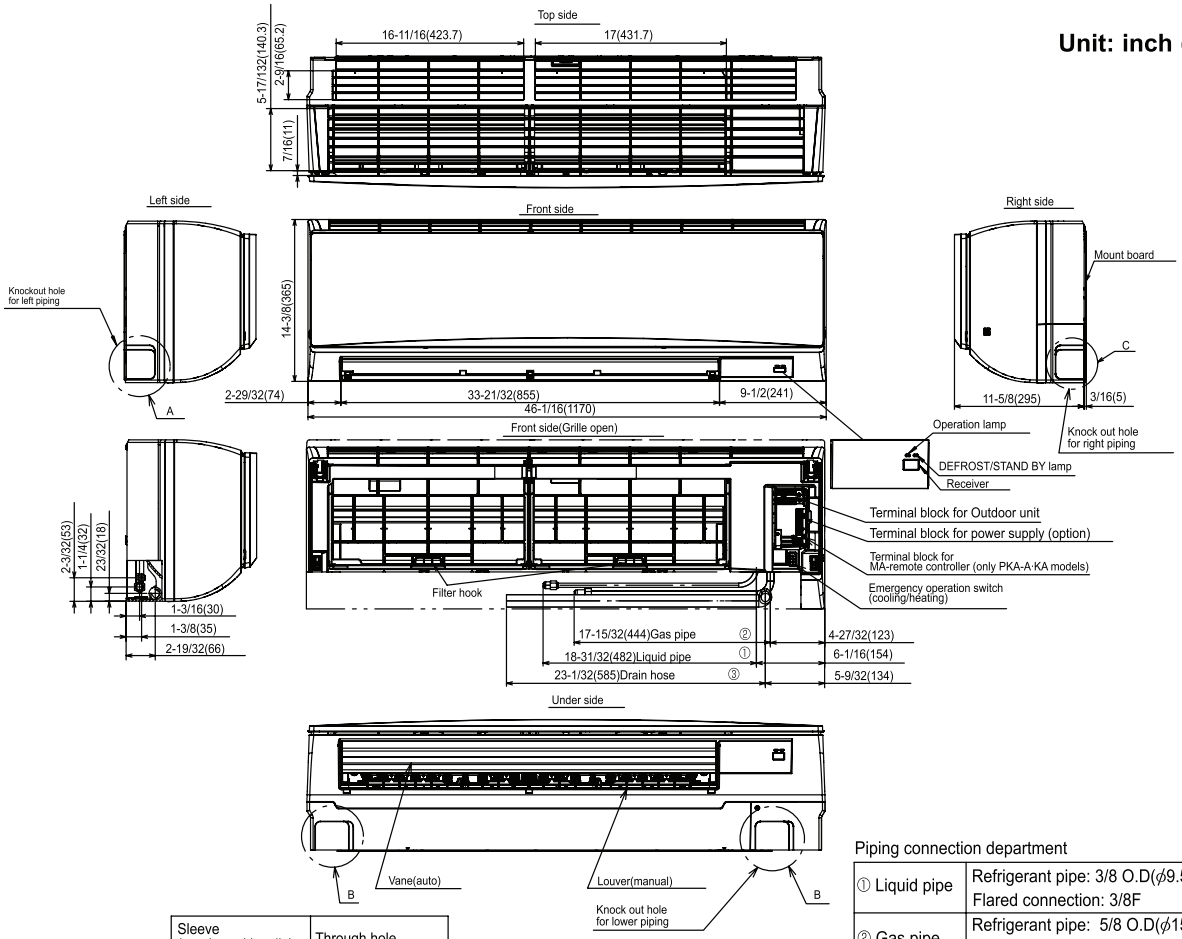
DIMENSIONS	INCHES / MM
W	37-3/8 / 950
D	13 + 1-3/16 / 330 + 30
H	37-1/8 / 943

Weight . . . . . 163 lbs. / 74 kg
External Finish . . . . . Munsell No. 3Y 7.8 / 1.1
Refrigerant Type R410A
Refrigerant Pipe Size O.D.
Gas Side . . . . . 5/8" / 15.88 mm
Liquid Side . . . . . 3/8" / 9.52 mm
Max. Refrigerant Pipe Length . . . . . 165' / 50 m
Max. Refrigerant Pipe Height Difference . . . . . 100' / 30 m
Connection Method . . . . . Flared

R410A INVERTER

DIMENSIONS: PKA-A36KA4

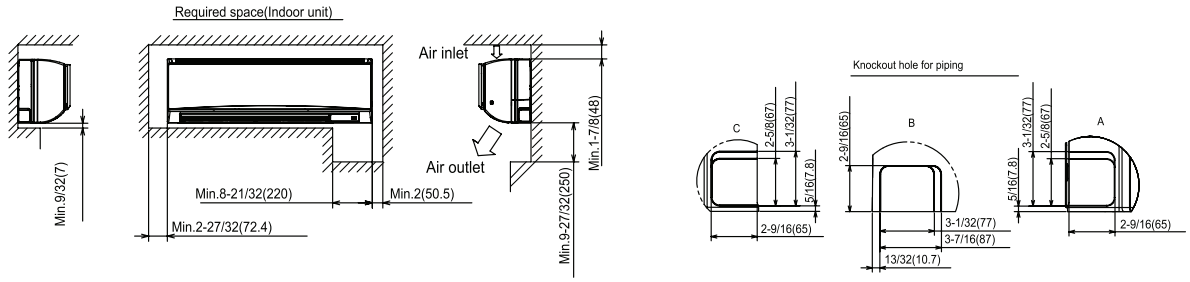
Unit: inch (mm)

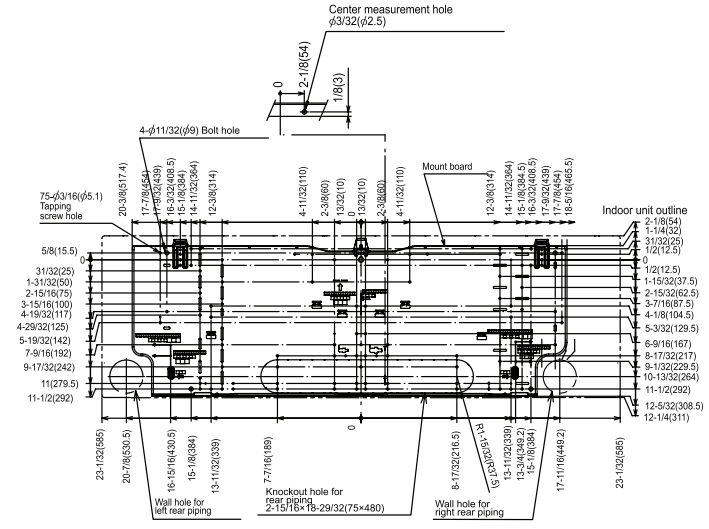


Sleeve (purchased locally)	Through hole
ϕ2-15/16 (ϕ75)	ϕ2-15/16~ϕ3-5/32 (ϕ75~ϕ80)

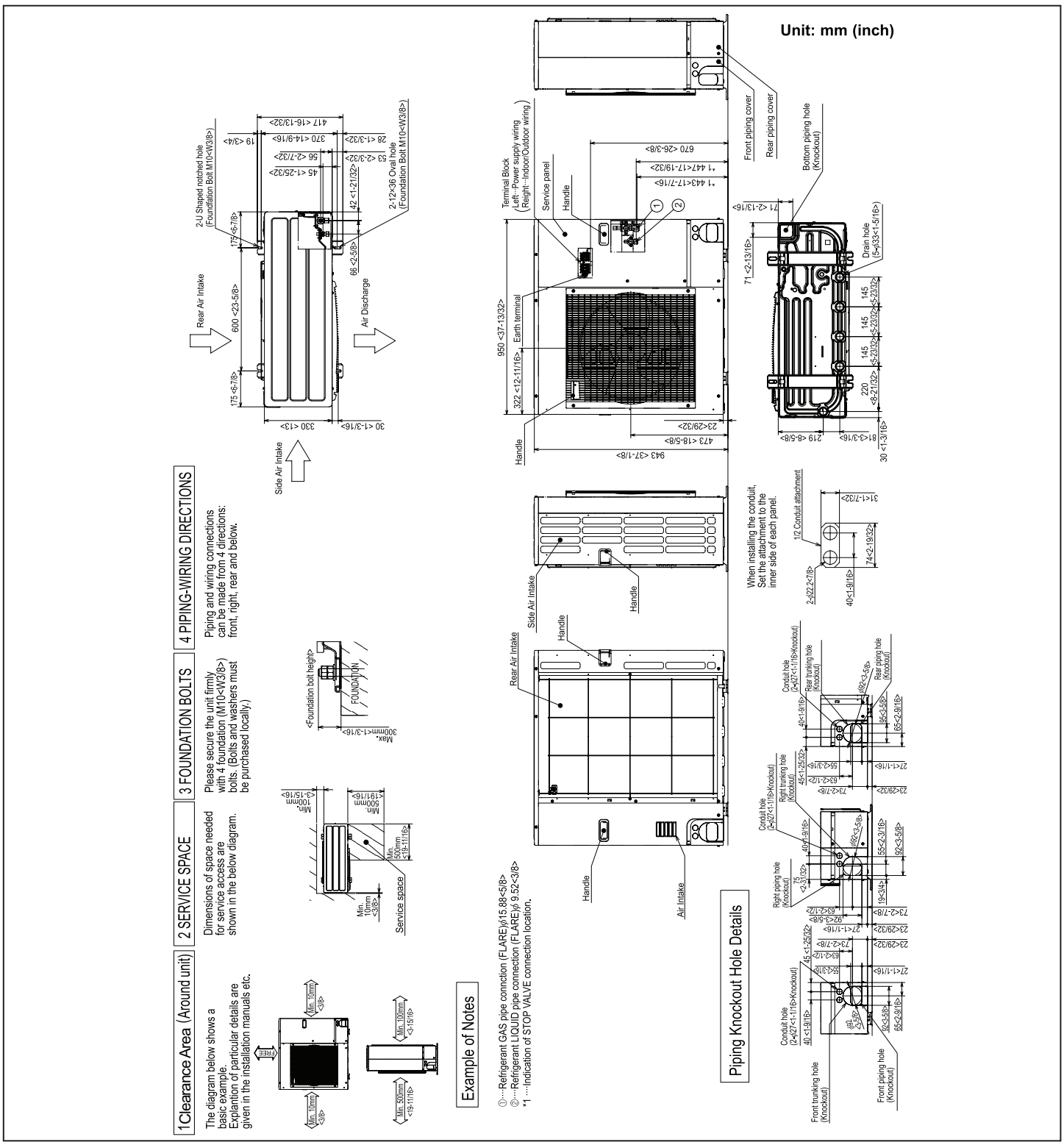
Piping connection department

① Liquid pipe	Refrigerant pipe: 3/8 O.D(ϕ9.52) Flared connection: 3/8F
② Gas pipe	Refrigerant pipe: 5/8 O.D(ϕ15.88) Flared connection: 5/8F
③ Drain hose	5/8(ϕ16) O.D





DIMENSIONS: PUY-A36NHA4


Unit: mm (inch)
1Clearance Area (Around unit)
The diagram below shows a basic example.
Explantion of particular details are given in the installation manuals etc.
2 SERVICE SPACE
Dimensions of space needed for service access are shown in the below diagram.
3 FOUNDATION BOLTS
Please secure the unit firmly with 4 foundation (M10<W3/8>) bolts. (Bolts and washers must be purchased locally.)
4 PIPING-WIRING DIRECTIONS
Piping and wiring connections can be made from 4 directions: front, right, rear and below.
Example of Notes
①:---Refrigerant GAS pipe connction (FLARE)ϕ15.88<5/8>
②:---Refrigerant LIQUID pipe connection (FLARE)ϕ 9.52<3/8>
*1 ---Indication of STOP VALVE connection location.
Piping Knockout Hole Details
Rear Air Intake
Side Air Intake
Air Discharge
Front piping cover
Rear piping cover
Bottom piping hole (Knockout)
Terminal Block (Left:- Power supply wiring (Reight:- Indoor/Outdoor wiring)
Service panel
Handle
Earth terminal
When installing the conduit, Set the attachment to the inner side of each panel.
1/2 Conduit attachment
Drain hole
Front trunking hole (Knockout)
Front piping hole (Knockout)
Right piping hole (Knockout)
Right trunking hole (Knockout)
Rear trunking hole (Knockout)
Rear piping hole (Knockout)
Conduit hole
Foundation bolt height
FOUNDATION
Service space

AHRI CERTIFIED
www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

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Specifications are subject to change without notice.

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